What is claimed is:

- 1. A substantially purified IMRRP1 polypeptide consisting of amino acid sequence SEQ ID NO: 3.
- 2. A substantially purified IMRRP1b polypeptide consisting of amino acid sequence SEQ ID NO: 4.
 - 3. A substantially purified IMRRP1 polypeptide consisting of amino acid sequence SEQ ID NO: 3, wherein the amino acid sequence differs from SEQ ID NO: 3 by conservative substitutions.
 - 4. A substantially purified IMRRP1b polypeptide consisting of amino acid sequence SEQ ID NO: 4, wherein the amino acid sequence differs from SEQ ID NO: 4 by conservative substitutions.
 - 5. An IMRRP1 or IMRRP1b polypeptide according to claims 1 or 2 wherein the polypeptide is without native mammalian glycosylation.
 - 6. A substantially purified fragment of the IMRRP1 polypeptide of claim 1.
 - 7. A substantially purified fragment of the IMRRP1b polypeptide of claim 2.
 - 8. A substantially purified IMRRP1 polypeptide encoded by a polynucleotide having nucleic acid sequence SEQ ID NO: 1.
 - 9. A substantially purified IMRRP1b polypeptide encoded by a polynucleotide having nucleic acid sequence SEQ ID NO: 2.
- 20 10. A pharmaceutical composition comprising substantially purified IMRRP1 or substantially purified IMRRP1b or a fragment thereof and a pharmaceutically acceptable excipient.

- 11. A purified antibody which binds a specifically to the polypeptide of any one of claims 1 or 2 or antigenic epitope thereof.
- 12. An isolated and purified polynucleotide encoding an IMRRP1 polypeptide or fragment thereof consisting of amino acid sequence SEQ ID NO: 3.
- 5 13. An isolated and purified polynucleotide encoding an IMRRP1b polypeptide or fragment thereof consisting of amino acid sequence SEQ ID NO: 4.
 - 14. An isolated polynucleotide comprising a nucleic acid sequence having: (a) SEQ ID NO: 1, (b) a nucleic acid sequence degenerate from SEQ ID NO: 1 as a result of the genetic code, or a nucleic acid sequence complementary to either (a) or (b).
 - 15. An isolated polynucleotide comprising a nucleic acid sequence having: (a) SEQ ID NO: 2, (b) a nucleic acid sequence degenerate from SEQ ID NO: 2 as a result of the genetic code, or a nucleic acid sequence complementary to either (a) or (b).
 - 16. The isolated polynucleotide according to claims 14 or 15 wherein the complementary nucleic acid sequence hybridizes to either strand of a denatured, double-stranded polynucleotide comprising the nucleic acid under conditions of moderate stringency in 50% formamide and 6 X SSC, at 42 °C with washing conditions at 60 °C, 0.5 XSSC, 0.1% SDS.
 - 17. An expression vector comprising the polynucleotide of any one of claims 12- 15.
- 18. An expression vector according to claim 17 that expresses a soluble IMRRP1 or a soluble IMRRP1b polypeptide.
 - 19. A host cell containing the expression vector of claim 18.
 - 20. A method for producing an IMRRP1 or IMRRP1b polypeptide comprising the steps of:

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- (a) culturing the host cell of claim 19 under conditions suitable for the expression of the polypeptide; and
- (b) recovering the polypeptide from the host cell culture.
- 21. A hybridization probe or primer comprising an oligonucleotide or polynucleotide of a sequence capable of hybridizing with a polynucleotide of SEQ ID NO: 1 or 2 under moderate to high stringency conditions characterized in that the sequence comprises 10 or more contiguous bases.
- 22. A hybridization probe or primer of claim 21 characterized in that it is capable of hybridizing with a polynucleotide of SEQ ID NO: 1 or 2 under high stringency conditions.
- 23. A method for detecting a polynucleotide encoding an IMRRP1 or IMRRP1b polypeptide or fragment thereof in a biological sample containing nucleic acid material, the method comprising the steps of:
 - (a) hybridizing the oligonucleotide of claim 21 or 22 to the nucleic acid material of the biological sample, thereby forming a hybridization complex; and
 - (b) detecting the hybridization complex, wherein the presence of the complex correlates with the presence of the polynucleotide encoding the IMRRP1 or IMRRP1b polypeptides or fragment thereof in the biological sample.
- 24. The method of claim 23, wherein the nucleic acid material of the biological sample is amplified by the polymerase chain reaction before the hybridizing step.
- 25. A method for detecting IMRRP1 or IMRRP1b polypeptides or antigenic fragments thereof in a sample, comprising:
 - (a) contacting the sample with an antibody specific for IMRRP1 or IMRRP1b polypeptides or antigenic fragment thereof under

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conditions in which an antigen-antibody complex can form between the antibody and the IMRRP1 or IMRRP1b polypeptides or antigenic fragment thereof in the sample; and

- (b) detecting an antigen-antibody complex formed in step (a),wherein detection of the complex indicates the presence of theIMRRP1 or IMRRP1b polypeptides or antigenic fragments thereof in the sample.
- 26. A method of identifying candidate ligands which bind to an IMRRP1 or IMRRP1b polypeptide comprising:
 - (a) contacting a test compound with IMRRP1 or IMRRP1b polypeptide or ligand binding portion thereof,
 - (b) selecting as candidate ligands those test compounds which bind to IMRRP1 or IMRRP1b or ligand binding portion thereof.
- 27. The method according to claim 26, wherein IMRRP1 or IMRRP1b is soluble, bound to a substrate, or cell membrane associated.
- 28. The method according to claim 26, wherein the method is a competitive inhibition assay.
- 29. The method according to claim 26, wherein said binding is detected using an antibody.